

FORM PTO-1449 TO BE FILED WITH INFORMATION DISCLOSURE STATEMENT

Sheet 1 of 4

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6/19/01

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO.

SERIAL NO.

(Rev. 2-92)

PATENT AND TRADEMARK OFFICE

APPLICANT

Richard J. Thomas

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U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Smith	5,027,281	6/25/91	Rekow et al	364/475.24	364/475.05	6/9/89
Weinhardt	5,448,472	9/5/95	Mushabac	364/413.28	364/474.37	11/14/90
Hayes	5,257,84	10/26/93	Mushabac	354/413.28	433/72	5/1/91
Smith	4,575,805	3/11/86	Moermann et al	364/474	364/168	8/23/84
Lucchesi	5,718,585	2/17/98	Dehoff et al	433/202.1	433/203.1	9/15/95
Echols	5,092,022	3/3/92	Duret	39/260.6	433/25	7/23/97
Ruggiero	5,452,219	9/19/95	Dehoff et al	364/474.05	364/413.28	3/29/84
Buczinski	5,940,170	8/17/99	Berg et al	365/5.1	365/5.15	8/19/98
Hellner	5,557,387	9/17/96	Hyde et al	356/5.01	356/2	9/21/94
	5,963,314	10/5/99	Worster et al	356/237.2	250/559.39	10/15/96
Harkcom	5,611,288	9/9/86	Duret et al	364/474	354/167	4/14/83
Elmore	5,768,134	6/16/98	Swaelens et al	364/468.28	623/16	4/11/95
Lucchesi	5,823,778	10/20/98	Schmitt et al	433/214	433/71	9/9/97
Ruggiero	5,224,049	6/29/93	Mushabac	364/474.05	264/222	5/21/90
Lucchesi	5,823,778	10/20/98	Schmitt et al	433/214	433/71	9/9/97
Ruggiero	5,224,049	6/29/93	Mushabac	364/474.05	264/222	5/21/90
Nelms	4,835,635	6/19/90	O'Harra	205/650	250/561	12/9/98
MacDonald	5,833,617	5/23/89	Wang	364/474.15	364/474.17	7/14/87
Stone	4,964,770	10/23/90	Steinbichler et al	433/223	433/214	7/12/88

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered
<i>[Signature]</i>	6/19/01

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EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Lucchesi	5,908,299	6/1/99	Dehoff et al	433/202.1	433/197	12/10/97
Peshock	4,324,546	4/13/82	Heitlinger et al	433/25	433/213	7/14/80
O'Connor	5,413,481	5/19/95	Goppel et al	433/214	356/374	5/6/93
O'Connor	5,527,182	6/18/96	Willoughby	433/172	433/173	12/23/93
Wilson	5,725,376	3/10/08	Poirer	433/172	433/75	2/26/97
Jablon	4,837,732	6/6/89	Brandestiini et al	364/413.28	356/276	6/5/87
Mancene	5,605,459	2/25/97	Kuroda	433/214	433/213	8/31/95
	5,676,850	10/14/97	Reed et al	216/2	216/11	6/7/95
	5,189,781	3/2/83	Weiss et al	29/527.2	164/19	1/10/92

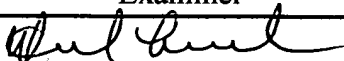
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Liedtke New 3-D Computer System Takes the Metal Out of Straightening Teeth
 The Grand Rapids Press September 24, 2000 A9
 Scope of Services from orthodontics.net
 October 12, 2000 (date of download; date of publication unknown)

Graham New Topographic Map May Explain Martian History
 Astronomy September, 1999 P.24
 A New Look at the Martian Landscape
 Science Vol. 284, May 28, 1999 P.1441

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	6/26/01

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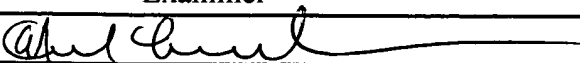
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- Physical Item: Mars Global Surveyor (MOLA-2) including Laser Altimeter
launched November 7, 1996 by NASA and JPL
- ✓ Zuber et al The Mars Observer Laser Altimeter Investigation
J. Geophys. Res. 97 P. 7781-7797
- ✓ Afzal Mars Observer Laser Altimeter: laser transmitter
Applied Optics 33 P. 3184-3188
- ✓ Prizinsky Desktop Process Drives Technology House (Rapid Prototyping)
Crain's Cleveland Business May 26, 1997, v. 18. n.21 P. 38
- ✓ Ashley Rapid Prototyping is Coming of Age
Mechanical Engineering July, 1995 P.63
- ✓ Waterman Rapid Prototyping
DE March, 1997 P.30
- ✓ Griffith et al Rapid Prototyping Technologies
Rapid Prototyping 1998
- ✓ Ashley From CAD to Rapid Metal Tools
Mechanical Engineering July, 1995 P. 75
- ✓ Bylinsky Industry's Amazing New Instant Prototypes
Fortune Features Jan, 1998

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A Hartwig Rapid 3D Modelers
Design Engineer March, 1997 P. 38
u Marketed Machine: Helisys LOM 1015
Penn State University, PA 1998
w Marketed Machine: Stratsys FDM-2000
Penn State University, PA January, 1999

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Michael | *6/26/01*

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